

Abstract of the Disclosure:

The transmitting and receiving station generates a interrogation code signal which is identical for all of the transponders. All of the transponders that receive the signal 5 answer simultaneously at the same carrier frequency. In order to avoid signal collisions, the transponders are synchronized before and/or during the transmission of the response signals. As an alternative, each transponder is assigned a dedicated subcarrier frequency in addition to the main carrier 10 frequency, which is the same for all of the transponders.

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